

For Research Use Only

Ly-6G Recombinant monoclonal antibody

Catalog Number: 84820-5-RR



Basic Information

Catalog Number:	84820-5-RR	GenBank Accession Number:	NM_001310438.1	Purification Method:	Protein A purification
Size:	100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI):	546644	CloneNo.:	260832C1
Source:	Rabbit	UNIPROT ID:	P35461	Recommended Dilutions:	WB: 1:5000-1:50000 IHC: 1:500-1:2000
Isotype:	IgG	Full Name:	lymphocyte antigen 6 complex, locus G		
Immunogen Catalog Number:	EG2609	Calculated MW:	14 kDa		
		Observed MW:	20-30 kDa		

Applications

Tested Applications:	WB, IHC, ELISA	Positive Controls:	
Species Specificity:	mouse	WB :	mouse bone marrow,
		IHC :	mouse spleen tissue,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0			

Background Information

Ly-6G (lymphocyte antigen 6 complex, locus G), also known as Gr-1, is a glycosylphosphatidylinositol-anchored protein expressed on myeloid lineage cells in mouse bone marrow (PMID: 8360469). The expression of Ly-6G increases on neutrophils as they differentiate from immature cells in the bone marrow to mature cells in the blood and spleen (PMID: 8890901).

Storage

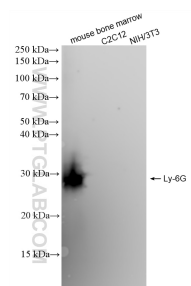
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

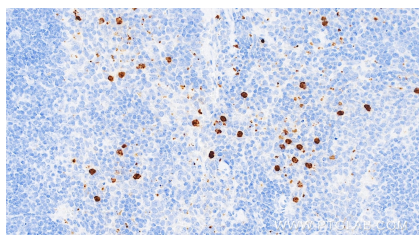
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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Selected Validation Data



Mouse bone marrow tissue were subjected to SDS PAGE followed by western blot with 84820-5-RR (Ly-6G antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. Ly-6G deficient cell lines C2C12 and NIH/3T3 were used as negative controls.



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 84820-5-RR (Ly-6G antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).